Amendment to the Claims

Kindly amend claims 1-25 as set forth below. In accordance with current amendment practice, a complete listing of claims is provided herein. The changes in the amended claims are shown by double brackets or strikethrough (for deleted matter) and underlining (for added matter).

1. (Currently Amended) A method for ~~separately~~ determining at least one of a request packet traversal time and ~~response~~ a response packet traversal time ~~of packet traversal~~ in a computer network between a first computer system and a second computer system comprising:

determining ~~the clock~~ a clock time difference V between a clock time of the first computer system and a clock time of the second computer system using a statistical method, wherein the clock time of the first computer system and the clock time of the second computer system are unsynchronized; and

calculating ~~either~~ at least one of the request packet traversal time Dq [[or]] and the response packet traversal time Dp using said clock time difference V.

2. (Currently Amended) The method according to claim 1 comprising:

calculating the request packet traversal time Dq by adding the clock time difference V to ~~the arrival~~ an arrival time U2 at the second computer [[side]] system of a request packet sent by the first computer system in units of ~~its clock~~ a clock of the second computer and subtracting ~~the transmitting~~ a transmitting time T1 at the first computer [[side]] system of the request packet, as [[is]] Dq = U2 + V - T1; and

calculating the response packet traversal time Dp by subtracting Dq from D, where D is ~~the time~~ a time difference in first computer clock units between ~~sending~~ the transmitting time T1 of the request packet and a receiving time T4 at the first computer system of ~~the response~~ a response packet sent by the second computer system minus a request processing time Ds of the second computer system ~~request processing time Ds~~, as [[is]] Dp = D – Dq = T4 – T1 – Ds – Dq.

3. (Currently Amended) The method according to claim 1 in which the determining the clock time difference V comprises a repetition of the following:

predicting ~~the point~~ a point in time when a request will arrive on the second computer system in units of ~~the first computer clock~~ a clock of the first computer system; and

comparing said ~~predicted~~ point in time from the predicting with ~~the point in time the~~ an actual time of arrival of the request on the second computer system ~~actually happens~~ in units ~~of the~~ of a clock of the second computer ~~clock~~ system.

4. (Currently Amended) The method according to claim 3 used for ~~improving network performance~~ managing the computer network by re-directing packets to a different routing path when at least one of the request packet transversal time and the response packet transversal time indicates a path ~~was detected~~ to be of low performance.

5. (Currently Amended) The method according to claim 1 in which the first computer system [[is]] comprises a client computer system and the second computer system [[is]] comprises a server computer system.

6. (Currently Amended) The method according to claim 1 in which the first computer system [[is]] comprises a server computer system and the second computer system [[is]] comprises a client computer system.

7. (Currently Amended) The method according to claim 1 in which the first computer system [[is]] comprises a client computer system and the second computer system [[is]] comprises a router computer system.

8. (Currently Amended) The method according to claim 1 in which the first computer system [[is]] comprises a router computer system and the second computer system [[is]] comprises ~~a router~~ another router computer system.

9. (Currently Amended) A system for ~~separately~~ determining at least one of a request packet traversal time and ~~response~~ a response packet traversal time ~~of packet traversal~~ in a computer network between a first computer system and a second computer system comprising:

means for determining ~~the clock~~ a clock time difference V between a clock time of the first computer system and a clock time of the second computer system using a statistical method, wherein the clock time of the first computer system and the clock time of the second computer system are unsynchronized; and

means for calculating ~~either~~ at least one of the request packet traversal time Dq [[or]] and the response packet traversal time Dp using said clock time difference V.

10. (Currently Amended) The system according to claim 9 comprising:

means for calculating the request packet traversal time Dq by adding the clock time difference V to ~~the arrival~~ an arrival time U2 at the second computer [[side]] system of a request packet sent by the first computer system in units of ~~its clock~~ a clock of the second computer and subtracting ~~the transmitting~~ a transmitting time T1 at the first computer [[side]] system of the request packet, as [[is]] Dq = U2 + V - T1; and

means for calculating the response packet traversal time Dp by subtracting Dq from D, where D is ~~the time~~ a time difference in first computer clock units between ~~sending~~ the transmitting time T1 of the request packet and a receiving time T4 at the first computer system of ~~the response~~ a response packet sent by the second computer system minus a request processing time Ds of the second computer system ~~request processing time Ds~~, as [[is]] Dp = D – Dq = T4 – T1 – Ds – Dq.

11. (Original) The system according to claim 9 in which the means for determining the clock time difference V comprises a repetition of the following:

predicting ~~the point~~ a point in time when a request will arrive on the second computer system in units of ~~the first computer clock~~ a clock of the first computer system; and

comparing said ~~predicted~~ point in time from the predicting with ~~the point in time the~~ an actual time of arrival of the request on the second computer system ~~actually happens~~ in units ~~of the~~ of a clock of the second computer ~~clock~~ system.

12. (Currently Amended) The system according to claim 11 used for ~~improving network performance~~ managing the computer network by re-directing packets to a different routing path when at least one of the request packet transversal time and the response packet transversal time indicates a path ~~was detected~~ to be of low performance.

13. (Currently Amended) The system according to claim 9 in which the first computer system [[is]] comprises a client computer system and the second computer system [[is]] comprises a server computer system.

14. (Currently Amended) The system according to claim 9 in which the first computer system [[is]] comprises a server computer system and the second computer system [[is]] comprises a client computer system.

15. (Currently Amended) The system according to claim 9 in which the first computer system [[is]] comprises a client computer system and the second computer system [[is]] comprises a router computer system.

16. (Currently Amended) The system according to claim 9 in which the first computer system [[is]] comprises a router computer system and the second computer system [[is]] comprises ~~a router~~ another router computer system.

17. (Currently Amended) A computer program comprising code portions adapted for performing a method for ~~separately~~ determining at least one of a request packet traversal time and ~~response~~ a response packet traversal time ~~of packet traversal~~ in a computer network between a first computer system and a second computer system comprising:

determining ~~the clock~~ a clock time difference V between a clock time of the first computer system and a clock time of the second computer system using a statistical method, wherein the clock time of the first computer system and the clock time of the second computer system are unsynchronized; and

calculating ~~either~~ at least one of the request packet traversal time Dq [[or]] and the response packet traversal time Dp using said clock time difference V.

18. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method for ~~separately~~ determining at least one of a request packet traversal time and ~~response~~ a response packet traversal time ~~of packet traversal~~ in a computer network between a first computer system and a second computer system comprising:

determining ~~the clock~~ a clock time difference V between a clock time of the first computer system and a clock time of the second computer system using a statistical method, wherein the clock time of the first computer system and the clock time of the second computer system are unsynchronized; and

calculating ~~either~~ at least one of the request packet traversal time Dq [[or]] and the response packet traversal time Dp using said clock time difference V.

19. (Currently Amended) The at least one program storage device of claim 18, wherein said method further comprises:

calculating the request packet traversal time Dq by adding the clock time difference V to ~~the arrival~~ an arrival time U2 at the second computer [[side]] system of a request packet sent by the first computer system in units of ~~its clock~~ a clock of the second computer and subtracting ~~the transmitting~~ a transmitting time T1 at the first computer [[side]] system of the request packet, as [[is]] Dq = U2 + V - T1; and

calculating the response packet traversal time Dp by subtracting Dq from D, where D is ~~the time~~ a time difference in first computer clock units between ~~sending~~ the transmitting time T1 of the request packet and a receiving time T4 at the first computer system of ~~the response~~ a response packet sent by the second computer system minus a request processing time Ds of the second computer system ~~request processing time Ds~~, as [[is]] Dp = D – Dq = T4 – T1 – Ds – Dq.

20. (Currently Amended) The at least one program storage device of claim 18 in which the determining the clock time difference V comprises a repetition of the following:

predicting ~~the point~~ a point in time when a request will arrive on the second computer system in units of ~~the first computer clock~~ a clock of the first computer system; and

comparing said ~~predicted~~ point in time from the predicting with ~~the point in time the~~ an actual time of arrival of the request on the second computer system ~~actually happens~~ in units ~~of the~~ of a clock of the second computer ~~clock~~ system.

21. (Currently Amended) The at least one program storage device of claim 20 used for ~~improving network performance~~ managing the computer network by re-directing packets to a different routing path when at least one of the request packet transversal time and the response packet transversal time indicates a path ~~was detected~~ to be of low performance.

22. (Currently Amended) The at least one program storage device of claim 18 in which the first computer system [[is]] comprises a client computer system and the second computer system [[is]] comprises a server computer system.

23. (Currently Amended) The at least one program storage device of claim 18 in which the first computer system [[is]] comprises a server computer system and the second computer system [[is]] comprises a client computer system.

24. (Currently Amended) The at least one program storage device of claim 18 in which the first computer system [[is]] comprises a client computer system and the second computer system [[is]] comprises a router computer system.

25. (Currently Amended) The at least one program storage device of claim 18 in which the first computer system [[is]] comprises a router computer system and the second computer system [[is]] comprises ~~a router~~ another router computer system.